Refrigerator
user manual

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SAMSUNG

Free Standing Appliance

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Safety information

SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it for your reference.
- Use this appliance only for its intended purpose as described in this instruction manual.
  This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
  Children shall not play with the appliance.
  Cleaning and user maintenance shall not be made by children without supervision.
- Warnings and Important Safety Instructions in this

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manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.

- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual.
  R-600a or R-134a is used as a refrigerant.
  Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator.
  When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage.
  If in doubt, consult your dealer.
  The room must be 1 m^3 in size for every 8 g of R-600a refrigerant inside the appliance.
  The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury.
  When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.

- Failing to do so may result in fire or explosion.

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Important safety symbols and precautions:

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive (2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union.
(For products sold in European Countries only)

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⚠ WARNING SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE

- When transporting and installing the appliance,care should be taken to ensure that no parts of the refrigerating circuit are damaged.

- Refrigerant leaking from the pipe work could ignite or cause an eye injury.
  If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- This appliance contains a small amount of isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible.
  When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.

⚠ WARNING SEVERE WARNING SIGNS FOR INSTALLATION

- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Do not plug several appliances into the same multiple power board.
  The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matched the rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.

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- Do not pull or excessively bend the power cord.
- Do not twist or tie the power cord.
- Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This may result in an electric shock or fire.

- Do not use aerosols near the refrigerator.

- Aerosols used near the refrigerator may cause an explosion or fire.
- Do not bend the power cord excessively or place heavy articles on it.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Do not install the refrigerator in a damp place or place where it may come in contact with water.

- Deteriorated insulation of electrical parts may cause an electric shock or fire.

- Connect the power plug in proper position with the cord hanging down.

- If you connect the power plug upside down, wire can get cut off and a cause fire or an electric shock.

- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.

- When moving the refrigerator, be careful not to roll over or damage the power cord.

- This constitutes a fire hazard.

- Keep the packing materials out of reach of children.

- There is a risk of death from suffocation if children put them on their head.

- This appliance should be positioned in such a way that it is accessible to the power plug.

- Failing to do so may result in an electric shock or fire due to electric leakage.

- Do not install this appliance near a heater, inflammable material.

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- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Do not install this appliance in a location where gas may leak.
  - This may result in an electric shock or fire.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service center.
  - Otherwise there is a risk of fire.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
  - This may result in an electric shock, fire, problems with the product, or injury.

- This appliance must be properly grounded.
- Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.
  - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
  - This may result in an electric shock, fire, explosion, or problems with the product.
  - Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
  - Failing to do so may result in an electric shock or personal injury.

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⚠ CAUTION SIGNS FOR INSTALLATION

- • Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours before loading foods after installation and turning on.
- The installation or any service of this appliance is recommended by a qualified technician or service company.
  - Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.
- When installing the refrigerator, make sure both legs contact the floor for secure installation.
  Legs are located at the bottom back of freezer door. Insert a flathead screwdriver and turn it in the direction of the arrow until it is level.
- Always balance the load on each door.
- Overload on any one door may fell the refrigerator, causing physical injury.

⚠ WARNING SEVERE WARNING SIGNS FOR USING

- • Do not touch the power plug with wet hands.
  - This may result in an electric shock.
- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause a personal injury and/ or material damage.
- Do not put items filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near the refrigerator.
  Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas and other

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such products etc.) in the refrigerator.
- This refrigerator is for storing food only.
- This may result in a fire or an explosion.

• Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.

• Do not place or use electrical appliance inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.

• If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung Electronics service center.

• If any dust or water is in Refrigerator, pull out power plug and contact your Samsung Electronics service center.
- Otherwise there is a risk of fire.

• If gas leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

• Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.

• Do not damage the refrigerant circuit.

• Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in an electric shock, fire or problems with the product.

• Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odours.
- This may result in an electric shock or fire.

• Fill the water tank, ice tray, water cubes only with potable water.
- Do not fill tea or sports drink, this may cause the damage of refrigerator.

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- Do not let children hang on the door.
  If not, a serious injury may occur.
- Risk of children entrapment. Do not let children enter inside the refrigerator.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
- It can cause death from suffocation by entrapment or personal injury.
- Do not sit on the Freezer door.
- The door may be broken and cause a personal injury.
- To prevent children entrapment, you must reinstall the divider using provided screws after cleaning or other actions if you removed the divider from the drawer.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

- In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- A spark may result in an explosion or fire.
- Use only the LED Lamps provided by manufacturer or service agent.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of “pinch point” areas; clearances between the doors and cabinet are necessarily small.
- Do not let children hang on the door.
  If not, a serious injury may occur.
- There is a Risk of children entrapment.
  Do not let children enter inside the refrigerator.

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- Bottles should be stored tightly together so that they do not fall out.
- This product is intended only for the storage of food in a domestic environment.
- Never put fingers or other objects into the dispenser hole, ice chute and ice maker bucket.
- It may cause a personal injury or material damage.
- Do not insert hands, feet or metal objects (such as chopsticks, etc.) into the bottom or the back of the refrigerator.
- This may result in an electric shock or injury.
- Any sharp edges may cause a personal injury.

- Do not attempt to repair, disassemble, or modify the appliance yourself.
- Do not use any fuse (such as cooper, steel wire, etc.) other than the standard fuse.
- When repairing or reinstalling the appliance is required, contact your nearest service center.
- Failing to do so may result in an electric shock, fire, problems with the product, or injury.

- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
- Failing to do so may result in an electric or fire hazards.
- Pull the power plug out of the socket before changing the interior lamps of the refrigerator
- Otherwise, there is a risk of electric shock.
- If you experience difficulty when changing the light, contact service agent.
- If the products is equipped with the LED Lamp, do not disassemble the Lamp Cover and LED Lamp by yourself.
- Please contact your service agent.
- Plug the power plug into the wall socket firmly.
  Do not use a damaged power plug, damaged power cord or loose wall socket.
- This may result in an electric shock or fire.

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• Do not put a container filled with water on the appliance.
- If spilled, there is a risk of fire or electric shock.
• Never stare directly at the UV LED lamp for long periods of time.
- This may result in eye strain due to the ultraviolet rays.

⚠ CAUTION CAUTION SIGNS FOR USING

• To get best performance from the product,
- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap the food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not put any newly introduced food for freezing near to already existing food.
• Do not place glass or bottles or carbonated beverages into the freezer.
- The container may freeze and break, and this may result in injury.
• Please observe maximum storage times and expiry dates of frozen goods.
• Do not store low temperature-sensitive pharmaceutical products, scientific materials or other low temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.
• There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks.
But, remove all the food if you are going away for the three weeks or more.
Unplug the refrigerator and clean it, rinse and dry.
• Do not place carbonated or fizzy drinks in the freezer compartment.
Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury and property damage.
• Do not modify the refrigerator. Unauthorized modifications

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can cause safety problems. To reverse an unauthorized modification, we will charge the full cost of parts and labor.

- Do not change or modify the functionality of the refrigerator.
- Changes or modifications may result in a personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance are neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.
- Do not block air holes.
- If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled. If this cooling period lasts too long, the water filter may break and cause water leakage.
- Use only the ice-maker provided with the refrigerator.
- The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connected to a potable water supply only.
- If you have a long vacation or business trip and won't use water or ice dispensers, close the water valve.
- Otherwise, water leakage may occur.
- Wipe excess moisture from the inside and leave the doors open.
- Otherwise, odor and mold may develop.
- When the refrigerator got wet by water, pull out the power plug and contact your Samsung Electronics service center.
- Do not apply strong shock or excessive force onto the surface of glass.
- Broken glass may result in a personal injury and/or property damage.
- Do not sit on or hang onto the door or home bar of refrigerator.
- This may cause the refrigerator to fall over, the door to separate or a hand being caught in the crack of the door, and this may result

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in property damage or injury.

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

CAUTION SIGNS FOR CLEANING AND MAINTENANCE

- Do not spray cleaning products directly on the display.
- Printed letters on the display may come off.
- If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service center.
- Failing to do so may result in an electric shock or fire.
- Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.
- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in an electric shock or fire.
- Do not clean the appliance by spraying water directly onto it.
- Do not use benzene, thinner, or Clorox, Chloride for cleaning.
- They may damage the surface of the appliance and may cause a fire.

- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
- Failing to do so may result in an electric shock or fire.

SEVERE WARNING SIGNS FOR DISPOSAL

- Leave the shelves in place so that children may not easily climb inside.
- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R-600a or R-134a is used as a refrigerant.
  Check the compressor label on the rear of the appliance or the rating label inside the

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refrigerator to see which refrigerant is used for your refrigerator.
When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
Cyclopentane is used as an insulation blowing gas.
The gases in insulation material require special disposal procedure.
Please contact your local authorities in regard to the environmentally safe disposal of this product.
Ensure that none of the pipes on the back of the appliances are damaged prior to disposal.
The pipes shall be broken in the open space.

- It is hazardous for anyone other than an Authorised Service Person to service this appliance.
In Queensland – the authorized Service Person MUST hold a Gas Work Authorisation or Licence for hydrocarbon refrigerants, to carry out Servicing or repairs which involve the removal of covers. (For Australia only)
- When disposing of this or other refrigerator/s, remove the door/door seals, door latch so that children or animals cannot become trapped inside.
Children should be supervised to ensure that they do not enter and play with the appliance.
  - If trapped inside, the child may become injury and suffocate to death.
- Please dispose of the packaging material for this product in an environmentally friendly manner.
- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
  - If a child places a bag over its head, it may result in suffocation.

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ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
- Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
- But should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not be in the vicinity of the appliance.
- The appliance might not operate consistently (possibility of defrosting of contents or temperature becoming too warm in the frozen food compartment) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- In case of particular foods, keeping it under refrigeration can have a bad effect on preservation due to its properties.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rise during defrosting can comply with ISO requirements.
  But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food up in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.
- Do not re-freeze frozen foods that have thawed completely.

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Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.
  Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Not to block any vents and grilles is recommended for energy efficiency.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw.
  You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.
  The shorter time for which the door is open, the less ice will form in the freezer.
- Allow clearance to the right, left, back and top when installing.
  This will help reduce power consumption and keep your energy bills lower.
- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

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Setting up your refrigerator

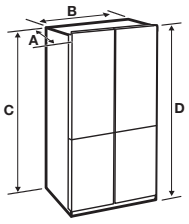
GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on your purchase of the Samsung refrigerator.
We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

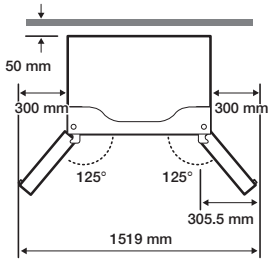
Selecting the best location for the Refrigerator

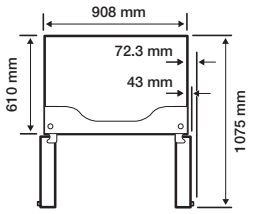
Choose :

- A location with easy access to the water supply.
- A location without direct exposure to sunlight.
- A location with level (or nearly level) flooring.
- A location with enough space for the refrigerator doors to open easily.
- A location that allows sufficient space to the right, left, back, and top for air circulation.
  If the refrigerator does not have enough space, it can cause the bad influence to refrigeration efficiency and power consumption.
- A location that allows you to move the refrigerator easily if it needs maintenance or service.
- Do not install the refrigerator in locations where the temperature is over 43 °C (110 °F) or below 5 °C (41 °F).



Depth “A”	733 mm
Width “B”	908 mm
Height “C”	1797 mm
Overall Height “D”	1825 mm





- Each measurement based on the design dimension, so it may differ depending on the measuring method.

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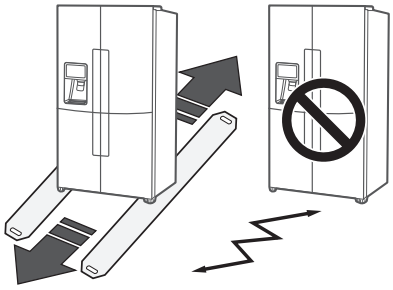
When moving your refrigerator

To prevent floor damage, be sure the front leveling legs are in the up position (above the floor).
Refer to “HOW TO LEVEL THE REFRIGERATOR” in the manual on page 23.

Flooring

For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor.
This surface should be strong enough to support a fully loaded refrigerator.
To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working.
When moving the refrigerator, you need to pull and push it straight forwards or back.
Do not wiggle it from side to side.



REMOVING THE REFRIGERATOR DOORS

If the refrigerator is too large to pass through your doorway easily, you can remove the refrigerator doors.

Tools you will need (Not provided)

Philips screwdriver (+)	Flat-blade screwdriver (-)	Socket wrench (10 mm)
Pliers	Allen wrench (4 mm)	Allen wrench (5 mm)

CAUTION

- Disconnect power to the refrigerator before removing the doors or drawers.

- Be careful not to drop, damage or scratch the doors/drawers while removing them.
- Use care when you remove the doors/drawers. The doors are heavy and you could injure yourself.
- Re-attach the doors/drawers properly to avoid:
- Moisture from air leakage.
- Uneven door alignment.
- Wasting energy due to improper door seal.

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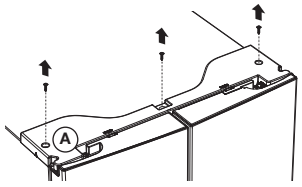
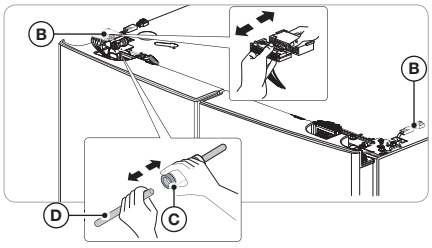
DISASSEMBLING THE FRIDGE DOORS

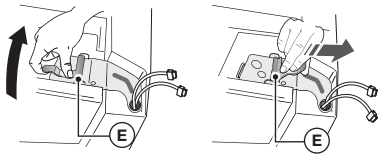
1. With the door closed, remove the 3 screws holding the Top Cover (A) with a Phillips (+) Screwdriver, and then remove the Top Cover with the entire wire-harnesses attached.



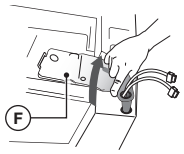
2. Separate the two connectors on the left door and the one connector on the right door. (B) Press the white sleeve (C) of the Water Tube Coupler, and then separate the Water Tube (D).



3. Pull up the Fixer Lever (E), and then pull it forward.



4. Remove the Hinge (F).



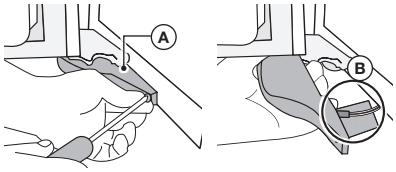
5. Lift up the Fridge Door and take it off.

CAUTION
- While disassembling and reassembling the door, make sure that the electric wires are not peeled off.
- Do not let the door fall down.

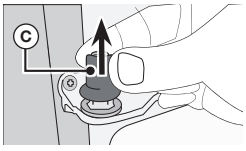
DISASSEMBLING THE FREEZER DOORS

CAUTION
- Be sure to remove the Fridge Door before removing the Freezer Door.
- Be careful with the wires attached to the bottom of the Freezer Door while disassembling.

1. With the door open, remove the screw holding the cover (A) of the Adjustable Leg at the bottom of the door with a Phillips (+) Screwdriver, and then disassemble the Connector (B).



2. Lift up and remove the Mid Hinge Cap (C) on the Door Hinge above the Freezer Door.



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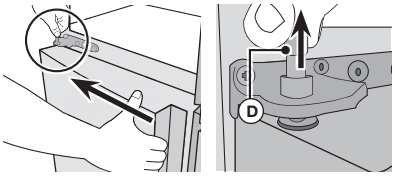
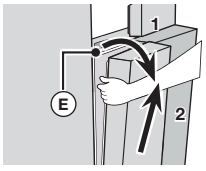
3. While pushing the door in the direction of the arrow, lift up the Mid Hinge Shaft (D).



4. Being careful that the door does not touch the Mid Hinge (E), tilt the Door forward a little, and then lift it up to remove.

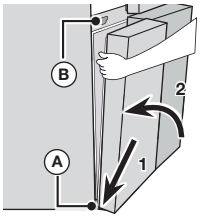


ASSEMBLING THE REFRIGERATOR DOORS

CAUTION
- Be sure to re-attach the Freezer Door before re-attaching the Fridge Door.
- Before re-attaching, make sure that all the wire connectors at the bottom of the Freezer Door are connected.

How to Re-attach the Freezer Door

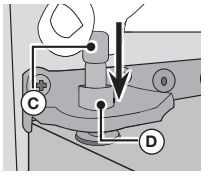
1. Insert the door into the lower hinge (A) in the direction of (1) and then push the door in the direction of (2).
   Take care not to scratch the door with the Mid-Hinge (B).

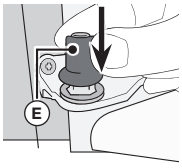


CAUTION
- Be careful not to damage the wires on the bottom of the door.
  Avoid stepping on them, etc.

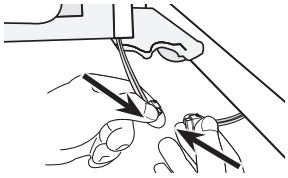
2. Insert the Hinge Shaft (C) into the Mid Hinge Hole (D) and put on the Hinge Cap (E).

- When assembling the Hinge Shaft and the Hinge Cap, be sure to assemble them in the correct direction.



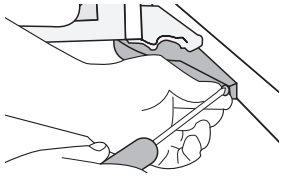


3. With the door open, join the connectors on the bottom of the door.



- Be careful not to step on or damage the connectors.

4. Attach the Adjustable Leg Cover using a Phillips (+) Screwdriver.



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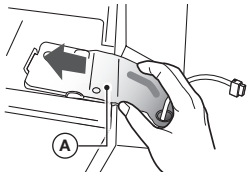
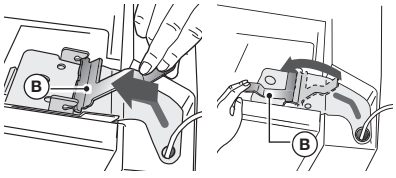
How to Re-Attach the Fridge Door

1. Attach the detached Fridge Door to the Mid Hinge.

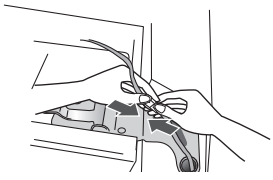
2. Slide the Fridge Hinge (A) into the fixing slot, and then press it down so that it is aligned with the hole in the door.



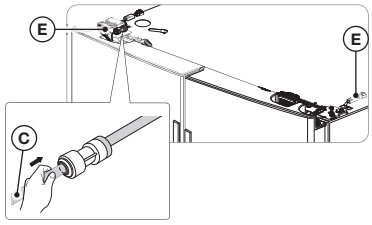
3. Inserting the Fixer Lever (B) in the direction of the arrow, and then flip it down to assemble.



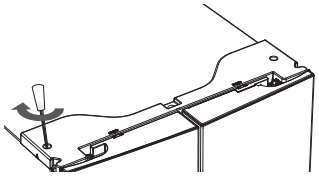
4. Assemble the Wire Connector.



5. Connect the Water Tube (C). Connect the two connectors on the left door and the one connector (E) on the right door.

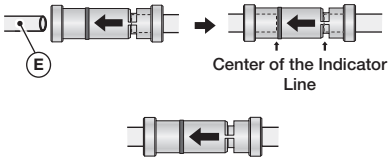


6. Attach the front of the Top Cover, and then press down on its back until it lies flat. Re-attach the screws.



CAUTION

- Assemble the Fridge and Freezer doors in the reverse order of disassembly.
- If the Wire Connectors are cross-assembled, the display will not work properly.



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LEVELING THE REFRIGERATOR AND ADJUSTING HEIGHT AND GAP OF THE DOORS

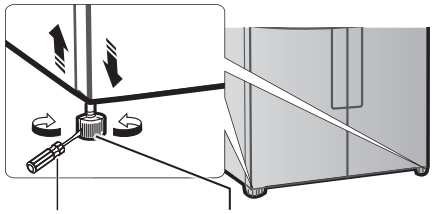
How to level the refrigerator

To avoid a hazard due to instability of the refrigerator, please place the refrigerator on a horizontal support and levelled in accordance with the following instruction for installation.
Failing to do so may result in the refrigerator tipping and a personal injury.
If the front of the appliance is slightly higher than the rear, the door can be opened and closed more easily.
Setting up the refrigerator on an uneven surface will cause the refrigerator to be uneven.

- When install the refrigerator, the legs should touch the floor surely.
  The legs should be located on the back of under the each door.
  Insert it with flathead screwdriver and tighten up to arrow direction.

If the Refrigerator is put on a floor that is not level, it can cause a height difference between the doors.

- Insert a Flat-Head (-) Screwdriver into the slot in the Leveling Leg Control Lever and adjust the level by turning the Control Lever clockwise or counter-clockwise.
  When you rotate the Lever clockwise, you raise the refrigerator.
  When you rotate the Lever counter-clockwise, you lower the refrigerator.



- If the Refrigerator is not level back and front, put a solid panel (such as a plastic panel, a plastic ruler, etc.) on the floor where the rear legs will rest, and then fix it in place with plastic tape.
  When you push in the Refrigerator, make sure the rear legs rest on the panel.
- If you have a wooden floor or similar soft floor, take care not to damage the floor when pushing the Refrigerator into place.

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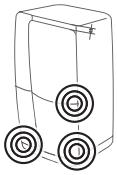
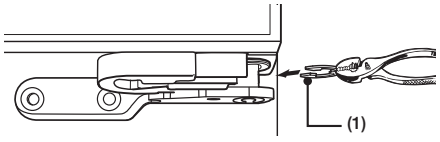
HOW TO ADJUST THE DOOR HEIGHT

If any one of the doors is lower than the other:



- Check if the Refrigerator is level before adjusting the door.

- Adjust the door height difference by inserting a Snap Ring (1) as shown between the door and the hinge.
  You can use the rings on the right side door of the fresh food compartment and both sides of the freezer compartment.

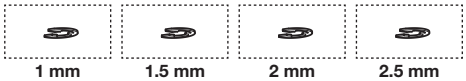


- After checking the height difference, select one Snap Ring with a suitable thickness. Insert one Snap Ring only, Inserting two or more Snap Rings may cause the Snap Rings to slip out or make a rubbing noise.
- Lift up the lower door and insert the Snap Ring into the space between the Door and the Hinge.

CAUTION
- To avoid injury, insert or remove Snap Rings carefully.
- Keep the Snap Rings out of the reach of children and make sure that children do not play with them or put them into their mouths.

- 1 mm, 1.5 mm, 2 mm, and 2.5 mm Snap Rings come with the Refrigerator.
- If the Refrigerator is level before you load it with food, the Refrigerator may become unbalanced due to the weight of the food.
  If this occurs, adjust the level again using the same procedure.
- If you raise the door too far, it can rub against the Top Cover.

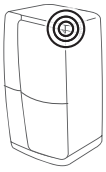
Snap Rings included with the refrigerator:



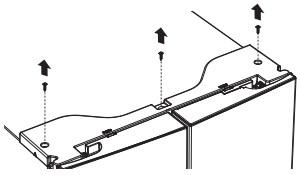
HOW TO ADJUST THE DOOR GAP

If the gap between the left and right fridge compartment doors is not even.

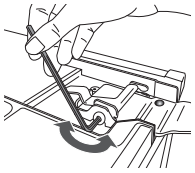
- You can adjust the gap by turning the bolt at the top right of the cold storage compartment door.
- Do not turn the bolt too far. You can break it.



1. With the doors closed, remove the 3 screws holding the top cover using a Phillips screwdriver, and then lift it off together with the connected cables.



2. Turn the bolt with a 4 mm hexagonal L-wrench to adjust the gap.



3. Turn the bolt clockwise to ( ) widen the gap. Turn the bolt counter clockwise ( ) to narrow the gap.

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INSTALLING THE WATER DISPENSER LINE

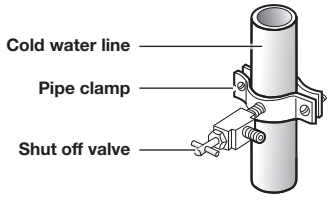
A water dispenser with a filter is one of the helpful features on your new refrigerator.
To help promote better health, the water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms.
You may need to purchase a water purifying system to do that.
The water line also connects to the ice maker. For the ice maker to operate properly, water pressure of 138 ~ 862 kPa is required.
If the refrigerator is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.
After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled.
To do this, press the water dispenser lever until the water runs from the water outlet.

- Water line installation kits are available at extra cost from your dealer.
  We recommend using a water line installation kit that contains copper tubing and 6 mm (¼") compression nut.
- The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

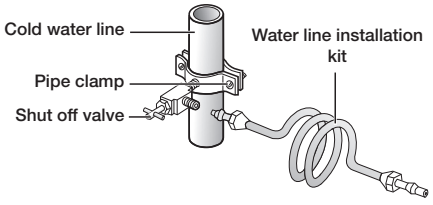
Connecting to the water supply line

1. First, shut off the main water supply.

2. Locate the nearest cold water drinking line and install the pipe clamp and shut off valve.



3. Connect the water line installation kit to the shut off valve.



Connecting the water supply line to the refrigerator

There are several items that you need to purchase to complete this connection.
You may find these items sold as a kit at your local hardware store.

Use Copper Tubing	Use Plastic Tubing
• ¼" copper tubing • ¼" compression nut (1pc) • Ferrule (2pc)	• ¼" plastic tubing → Molded end (Bulb) • ¼" compression nut (1pc)

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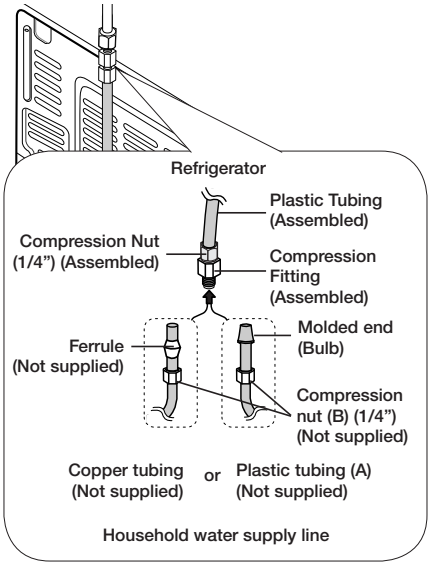

1. Connect the household water line to the assembled compression fitting.
- If you are using copper tubing, slip the compression nut (B) (not supplied) and ferrule (not supplied) on the copper tubing (not supplied) as shown.
- If you are using plastic tubing (A), insert the molded end (Bulb) of the plastic tubing (A) into the compression fitting.

CAUTION
• Do not use without the molded end (Bulb) of the plastic tubing (A).

2. Tighten the compression nut (B) onto the compression fitting.
   Do not over-tighten the compression nut (B).

3. Turn water on and check for any leakage.
   If you find water drops or leakage in the connection areas, turn off the main water supply. Check the connections and, if necessary, tighten.

4. Flush 1 gallon of water through the filter before drinking or using the water from the refrigerator. (Flush approximately 6 minutes.)
   To flush, press a large glass or cup against the water dispenser lever.
   Fill the glass, empty it into the kitchen sink after it is filled, and then repeat.

5. After you turn on the refrigerator, let the ice maker make ice for 1 to 2 days.
   Over that period of time, throw out the first 1 or 2 buckets of ice the freezer makes to ensure all impurities have been removed from the water line.

• Only connect the water line to a drinkable water source.
- If you have to repair or disassemble the water line, cut off 1/4“ of the plastic tubing to make sure you get a snug, leak-free connection.
- You can test the water line quickly using a paper cup.
  Under normal conditions, the water dispenser can fill a 170 cc cup in about 10 seconds.

PRODUCT FEATURES

- TRIPLE COOLING
- Freezer/Fresh food compartment/convertible compartment are able to maintain optimum temperature/humidity using by each condenser. And also smell will not mix.
- FLEX ZONE
- It is able to various storage using by Freezer/ Cooling/cool selection/thin ice options.
- CHILL
- Fixed temperature technology will keep freshness.

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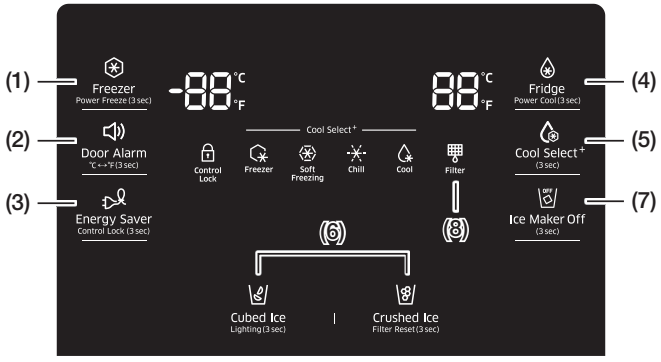
Operating your Samsung refrigerator

USING THE CONTROL PANEL



(1)	**Freezer (Hold 3 sec for Power Freeze)**
	Touch this button to set the freezer to your desired temperature. You can set the temperature between -23 °C and -15 °C. Touch and hold this button for 3 seconds to decrease the time needed to freeze products in the Freezer. This can be helpful if you need to quickly freeze easily spoiled items or if the temperature in the freezer has warmed dramatically. (For example, if the door was left open.)

(2)	**Door Alarm (Hold 3 sec for °C↔°F)**
	This button serves two purposes: 1. To turn the door open alarm on and off If the door alarm is set to On, an alarm beeps if any refrigerator door is left open for more than two minutes. The beeping stops when you close the door. The door alarm function is pre-set to On in the factory. You can turn it off by touching and then releasing this button. You can turn it back on in the same fashion. The icon lights up when the function is on. When the Door Alarm function is on and the alarm sound is triggered, the Door Alarm Icon will blink while the alarm sounds. 2. Touch and hold this button for 3 seconds to switch the temperature units between °C and °F."

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(3)	**Energy Saver (Hold 3 sec for Control Lock)**
	Touching this button turns Energy Saver mode on and off. When you turn Energy Saver on, the Energy Saver icon lights. Turn Energy Saver off and the icon goes off. The Energy Saver function is set to “ON” in the factory. If condensation or water drops appear on the doors, turn the Energy Saver mode off. Also, touching this button for 3 seconds turns on Control Lock which locks the display panel and dispenser buttons so the buttons can not be used. Touch 3 seconds to unlock.

(4)	**Fridge (Hold 3 sec for Power Cool)**
	Touch this button to set the fridge to your desired temperature. You can set the temperature between 1 °C and 7 °C. Touch and hold this button for 3 seconds to decrease the time needed to cool products in the Fridge. This can be helpful if you need to quickly cool easily spoiled items or if the temperature in the fridge has warmed dramatically. (For example, if the door was left open.)

(5)	**Cool Select+ (Cool Select Room)**
	The CoolSelect+ button lets you set the Cool Select Room on the bottom right of your refrigerator to one of four settings: Freezer, Soft Freezing, Chill, or Cool. Press the CoolSelect+ button for three seconds to activate the Cool Select Room function, and then select one of the four settings.

Freezer	
	Select Freezer to set the same temperature as the freezer. • Use this setting to keep frozen food.

Soft Freezing	
	Select Soft Freezing to set the temperature to -5 °C. • Use this setting to keep meat and fish fresh longer than fridge.

Chill	
	Select Chill to set the temperature to -1 °C. • Use this setting to keep deli like steak, fish, bacon and cheese.

Cool	
	Select Cool to set the temperature to 2 °C. • Use this setting to keep drink (juice, soft drinks and beer), vegetable, fruit, etc.

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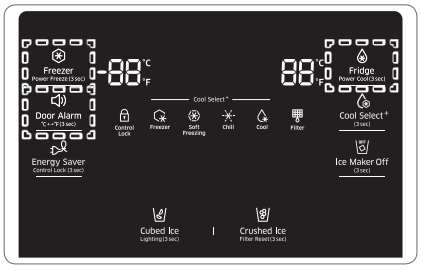
(6)	Ice Type
Cubed Ice Lighting(3 sec) Crushed Ice Filter Reset(3 sec)	Touch the Ice Type button to change the ice type. Each time you touch the Ice Type button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection. If you don't need ice, turn the function off to save on water and energy consumption. (See Ice Maker Off below.)

	Lighting
	Touch the Cubed button for three seconds to set the Dispenser LED lamp (under the display) to continuous mode so that it stays on continuously. If you want the Dispenser lamp to come on only when some one uses the dispenser, touch this button for 3 seconds again to turn the continuous mode off.

(7)	Ice Maker Off (Hold 3 sec)
OFF	Touch the Ice Maker Off button for 3 seconds until the Ice Maker Off Indicator (OFF) illuminates.

(8)	Filter
	Water filter usage This icon will light up when you need to change the filter. After you use about 300 gallons of water, the filter indicator lights up. (in about 6 months) The icon will blink red for several seconds when you open or close the door. After you install the new water filter, touch and hold the Crushed Ice button for 3 Seconds to reset the filter. - If water is not dispensing or dispensing slowly, you need to replace the water filter because the water filter is clogged. - Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly.

Exhibition Mode



CAUTION

- In case of Exhibition Mode, It seems working but doesn't make cool air. To cancel this mode, touch the Freezer, Fridge and Door Alarm buttons at the same time for 5 seconds until "Dingdong" sounds. Or you can cancel the exhibition mode by turning the power off.

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CHANGING THE WATER FILTER

WARNING • To reduce risk of water damage to your property DO NOT use generic brands of water filters in your SAMSUNG Refrigerator.

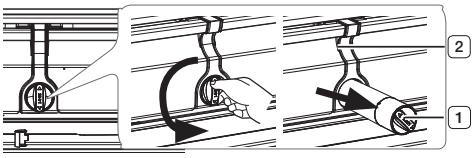
USE ONLY SAMSUNG BRAND WATER FILTERS.
SAMSUNG will not be legally responsible for any damage, including, but not limited to, property damage caused by water leakage from the use of a generic water filter.

(Red)

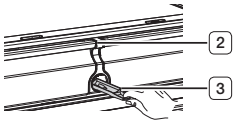
SAMSUNG Refrigerators are designed to work ONLY WITH SAMSUNG Water Filter.
The Filter light turns red to let you know when it is time to change your water filter cartridge.
To give you time to get a new filter, the red light comes on just before the capacity of the current filter runs out.
Changing the filter on time provides you with the freshest, cleanest water from your refrigerator.

1. Shut off the water supply.
   Then, turn the water filter (1) about 1/4 turn, counter-clockwise.

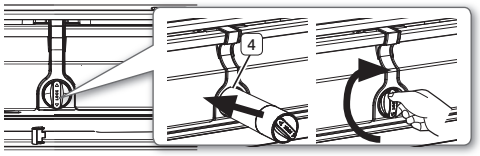
2. Pull the water filter (1) from the case filter (2).



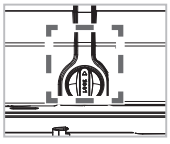
• To change the water filter more easily, shut off the water supply valve.
- Sometimes, it is hard to disassemble the water filter because impurities in the water cause it to stick. If you are having difficulties, grip the water filter firmly and pull it hard.
- When you pull out the water filter, a little water can leak from the opening. This is normal. To minimize the water leaks, keep the filter cartridge horizontal when you pull it.
- To prevent overflow, empty the water filter tray (3) and dry around the filter case (2).



3. Insert the new filter into the filter case (4).



4. Push the filter in, and then turn it clockwise until it locks.



• If you have trouble inserting the water filter because of high water pressure, shut off the water supply valve.
- The locked symbol should be lined up with the indicator line.

5. Touch the “Crushed/Hold 3 sec for Filter Reset” button ((Filter Reset)) for about 3 seconds to reset the water filter. The color of the indicator changes from red to off.

6. If you turned off the water supply, turn it back on.

• For a replacement water filter, visit your local home Improvement center, go to Samsung Parts.com on line, or contact your authorized Samsung dealer.
Be sure the replacement water filter has the SAMSUNG logo on the box and on the water filter.

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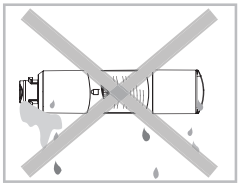
Removing any residual matter inside the water supply line after installing the water filter.

1. Turn ON the main water supply and supply water from water supply line.
2. Run water through the dispenser until the water runs clear (approx. 6 to 7 minutes).
   This will clean the water supply system and remove air from the lines.
3. Additional flushing may be required in some households.
4. Open the Refrigerator door and make sure there are no water leaks coming from the water filter.



- Be sure to flush the dispenser thoroughly, otherwise water may drip from the dispenser.
  This means that there is still air in the line.

Reverse Osmosis Water Supply IMPORTANT:

The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 241 and 827 kPa.
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 276 to 414 kPa.
If the water pressure to the reverse osmosis system is less than 276 to 414 kPa:

- Check to see whether the sediment filter in the reverse osmosis system is blocked.
  Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system.
  Remove the water filter.

If you have questions about your water pressure, call a licensed, qualified plumber.

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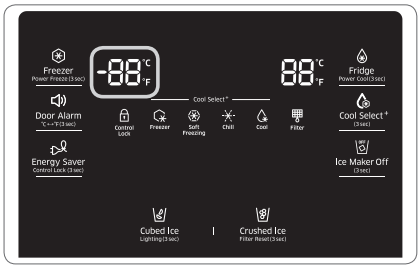
CONTROLLING THE TEMPERATURE

Recommended freezer and fridge compartment temperatures

The recommended temperatures for the Freezer and fridge Compartments are -19 °C and 3 °C (-2 °F and 38 °F) respectively.
If the temperature of the Freezer and fridge Compartments are too high or low, adjust the temperature manually.

CONTROLLING THE FREEZER TEMPERATURE



Recommend Temp (Freezer) : -19 °C (-2 °F)

Freezer

Press the Freezer button to set the freezer to desired temperature from the range between -15 °C and -23 °C.
Default set temperature is set on -19 °C and each time you press the Freezer button, temperature will change in following order and temperature indicator will display the desired temperature.

-19 °C – -20 °C – -21 °C – -22 °C – -23 °C
-18 °C – -17 °C – -16 °C – -15 °C

- The Freezer or Fridge temp indicator will blink when the temperature in the fridge or freezer compartment goes up dramatically.
  (Freezer or Fridge temperature indicator will stop blinking when temperature in the Freezer or Fridge becomes normal.
  If temperature indicator does not stop blinking after several hours, please contact your service center.

Power Freeze

The Power Freeze function substantially speeds up the freezer compressor, causing the freezer to cool down rapidly to a temperature you choose.
When you touch and hold the Freezer button for 3 seconds, Power Freezer function will be activated.
Power Freeze is useful if you need to quick freeze an item, to make a large quantity of ice, or to cool the freezer rapidly if it has warmed dramatically (for example, if the door was left open).
To turn the Power Freeze function off manually, press the Freezer button, and then re-set the Freezer temperature.
Power Freeze turns off automatically after 50 hours to decrease energy consumption.
When you use this function, the energy consumption of the refrigerator will increase.
If you need to freeze large amounts of food, activate the Power Freeze function at least 20 hours before.

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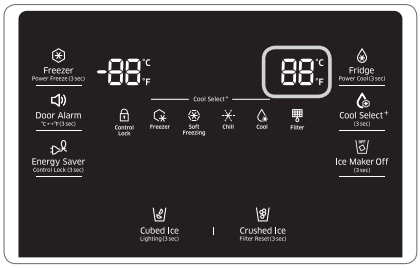
CONTROLLING THE FRIDGE TEMPERATURE



Recommend Temp (Fridge) : 3 °C (37 °F)

Press the Fridge button to set the fridge to desired temperature from the range between 1 °C and 7 °C.
Default set temperature is set on 3 °C and each time you press the Fridge button, temperature will change in following order and temperature indicator will display the desired temperature.

3 °C – 2 °C – 1 °C – 7 °C
4 °C — 5 °C — 6 °C

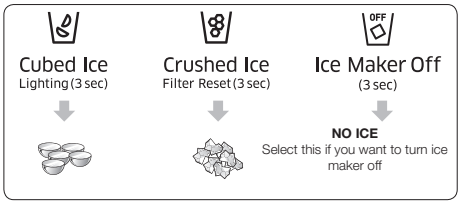
- The temperature of the Freezer, Fridge or Cool Select Room may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.
- This may cause the digital display to blink. Once the Freezer and Fridge temperature return to their normal set temperatures, the blinking will stop.
- If the blinking continues, you may need to "reset" the Refrigerator.
  Try unplugging the appliance, wait for around 10 minutes, and then plug the power cord back in.
- If there is a communication error between the Display and Main Controller, the Display light may blink "PC-Er" with Beep Sound.
  If the blinking continues for a long period of time, please contact a Samsung Electronics Service Center.

USING THE ICE AND COLD WATER DISPENSERS

Push the appropriate ice type button to select what you want dispensed

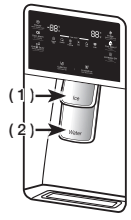
Using the ice lever (1)

Push the Ice lever dispenser (1) gently with your glass. Ice will be released from the dispenser.
You can choose the type of ice by pushing the cubed or crushed button first.



Using the Water lever (2)

Push the Water lever dispenser (2) gently with your glass.
Water will be released from the dispenser.



- If you push the water and Ice lever at about the same time, the dispenser operates only the option you actually selected or pushed first.

- Please wait 1 second before removing the cup after dispensing water to prevent spills. Do not pull out the lever dispenser after dispensing ice or water.
  It comes back automatically.

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Using the Ice & Water Dispenser together

To get Ice and water, push the Ice lever (1) first for ice, then move your glass down and press the water dispenser lever (2) for water.

MAINTAINING THE ICE BUCKET

- To clean the ice bin/bucket, wash with a mild detergent, rinse well, and dry thoroughly. Do not use harsh or abrasive cleaners or solvents.
- Ice is made in cubes. When you select “Crushed”, the ice maker grinds the ice cubes into crushed ice.
- When you select Cubed Ice after using the Crushed Ice mode, a small amount of residual crushed ice might be produced.
- The ice cubes generated by the rapid ice making process will look white, which indicates they are generated normally.
- If ice doesn’t come out, pull out the ice bucket and press the Test button located on the right side of ice maker. See the illustration under Making Ice below.
- Do not press the Test button continuously if the tray is filled with ice or water. Water may overflow or ice may jam the bucket.

MAKING ICE

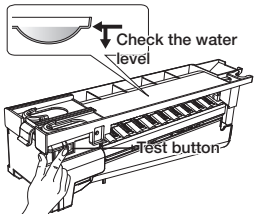
- To fill the ice bucket to maximum capacity after installation, follow these steps:

1. Allow your refrigerator to operate and cool down for 24 hours (or 1 full day).
- Waiting 24 hours will allow your ice maker to cool properly.

2. Dispense 4 to 6 ice cubes into a glass.

3. After another 8, and then 16 hours, dispense a full glass of ice.

- To test the ice maker, press the Test button on the ice maker. You will hear the refrigerator chime (ding-dong). When the chime sounds, release the Test button.
- The chime sounds automatically again to let you know the ice maker is working well.



CAUTION
- If you want to remove the ice cubes without using the ice bucket, please turn the ice maker off. (However, remove the front cover from the ice maker.) The ice cubes in the ice maker can spill out over the drawer.

CAUTION
- Do not put food in the ice bucket. If you store food in the ice bucket, the food may get in the way of the ice maker while opening/closing the door, causing damage to the ice maker.

CAUTION
- Note that the ice cubes in the ice bucket may spill out over the drawer when removing the ice bucket from the drawer. If this is the case, be sure to clear the ice cubes that spilled out of the drawer.

CAUTION
- If a power failure occurs, ice cubes may melt then freeze together when the power comes back on, causing the dispenser to be out of order.

To prevent this problem, after a power failure, pull out the ice bucket and discard the residual ice or water.

- If you use all the ice at once, you must repeat Steps 2 and 3 above. However, only wait 8 hours before dispensing the first 4 to 6 ice cubes. This will replenish the ice cubes and ensure maximum ice production.

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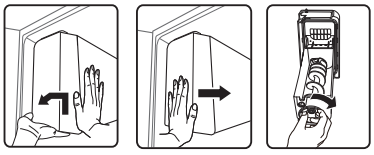
USING THE ICE OFF FUNCTION

When you select the Ice Off mode, remove all ice cubes from the bucket.
If you leave the ice cubes in the bucket, the ice cubes may clump together, making it difficult to remove them.
To remove the ice bucket safely and avoid injury, hold the bottom of the bucket with one hand and the side of the bucket with the other.
Then, lift up on the ice bucket, and pull it straight out.
To put the ice bucket back in, push it firmly straight back.

- If the ice bucket is not pushed firmly into place, ice in the bucket can melt.

If the bucket does not fit, turn the helix 90 degree (see the last illustration on the right, below) and try again.



CAUTION
- The inside of the ice bucket is very cold when the refrigerator is operating.
  Do not reach deep inside the ice bucket.
- Use only the ice maker provided with the refrigerator.
  The water supply to this refrigerator must only be installed/connected by a suitably qualified person.
  Connect to a potable water supply only.
- To operate the ice maker properly, water pressure of 138 ~ 862 kPa is required.

GOING ON VACATION...

If you are going on a long vacation or business trip and won't use the water or ice dispensers for a long time:

- Close the water valve.
  Otherwise, water leakage may occur.
- Remove all food and ice in the ice bucket.
- Unplug the refrigerator.
- Wipe excess moisture from inside and leave the doors open.
  Otherwise, odor and mold may develop.

ICE MAKER DO'S AND DON'TS

Do not put your fingers, hands or any other unsuitable objects in the chute or ice-maker bucket.

- You can hurt yourself or damage the refrigerator.
  Never put your finger or any other objects in the dispenser opening.
- You can injure yourself.
  Do not try to disassemble the ice maker.
  Do not wash or spray the ice bucket with water while it is in the refrigerator.
  Remove it to clean it.

CAUTION
- When you insert the Ice maker tray, be sure that the tray is well centered at the entrance.
  Otherwise, the tray may be stuck.

Water clouding phenomenon

- All water provided to the refrigerator flows through a core alkaline water filter.
  In the filtering process, the pressure of the water that has flowed out of the filter has increased, and the water has become saturated with oxygen and nitrogen.
  When this water flows out into the air, the pressure plummets and the oxygen and nitrogen get supersaturated, which results in gas bubbles.
  The water may temporarily look misty or cloudy due to these oxygen bubbles.
  After a few seconds, the water will look clear.

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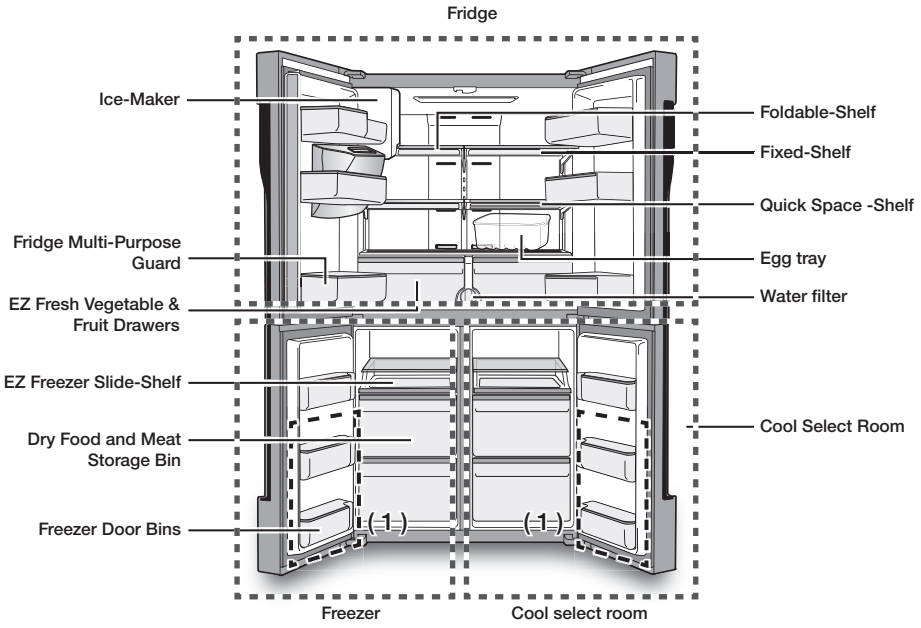
PARTS AND FEATURES

Use this page to become more familiar with the parts and features of the Refrigerator.



The door guards in the freezer of this model are the two star sections except the top guard, so the temperature in two star sections are slightly higher than other freezer compartment.
(1) is two star section.

When closing the door, make sure the Vertical Hinged Section is in the correct position to avoid scratching the other door. If the Vertical Hinged Section is reversed, put it back into the correct position, and then close the door.
Moisture may appear at times on the Vertical Hinged Section.
The door handle may become loose over time.
If this happens, tighten the bolts found on the inside of the door.
If you close one door with too much force, the other door may open.

When the door opens, the interlock switch automatically turns off the auger motor in the ice maker for safety reasons.

If the interior or exterior LED lamp has gone out, please contact Samsung service.

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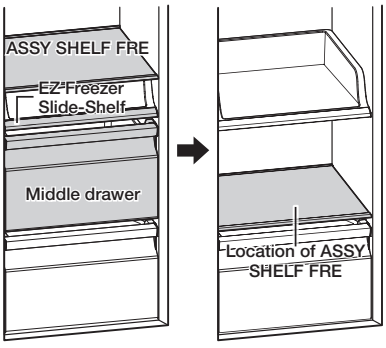
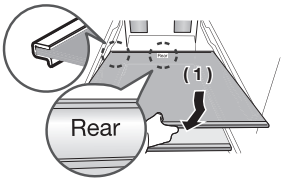
ADDITIONAL PART - ASSY SHELF FRE

To get more space, you can remove each Middle drawer of freezer and Cool Select Room.
And then, locate the 'ASSY SHELF FRE' between middle and bottom drawers of the freezer and Cool Select Room, since it does not affect thermal and mechanical characteristics.

ASSY SHELF FRE



1. Remove the attached Tape on the shelf.
2. Take out the middle drawer to assemble the ASSY SHELF FRE.
3. Insert the ASSY SHELF FRE with the "REAR" mark side up.
   If the "REAR" mark is unable to identify, insert the protruding part of the ASSY SHELF FRE at first as shown in figure.



CAUTION

- The ASSY SHELF FRE shall be used only to the designated location with the Middle drawer removed.
- Do not place and use the ASSY SHELF FRE on the EZ Freezer Slide-Shelf.
- Able to prevent damage when not in use, please store the ASSY SHELF FRE in a secure place.
- Do not insert the shelf upside-down, or in the reverse direction.

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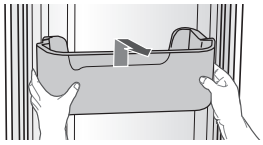
REMOVING THE REFRIGERATOR ACCESSORIES

1. Door Bins or Guards Compartment
- To remove - Simply lift the bin up and pull straight out.
- To relocate - Slide it in above the desired location and push down until it stops.

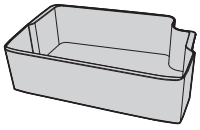
CAUTION
- Injuries can occur if the door bins are not firmly attached to the doors. Do not allow children to play with longer. Sharp corners of the bins may cause injury.

- Do not adjust a bin full of food. Remove the food first.



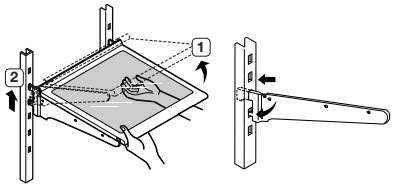
- Dust removal method - Remove the guard and wash in water.

- If it is stained with oil after use, wash in water right away.



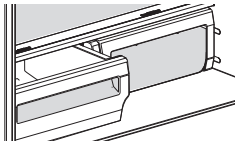
2. Tempered Glass shelves
- To remove - Tilt up the front of the shelf in the direction shown (1) and lift it up vertically (2). Pull the shelf out.
- To relocate - Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.
  Then, lower the front of the shelf so that the hooks can drop into the slots.

CAUTION
- The Tempered Glass shelves are heavy. Use special care when removing them.



3. Vegetable & Fruit Drawers (EZ Fresh Zone)
- Holding the drawer with one hand, lift it up a little bit while pulling it forward, and then pull it out of the refrigerator.

- Remove the door bins before removing the drawer to prevent damage to the door bins.



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CLEANING THE REFRIGERATOR

WARNING
- Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire.
- Do not spray the refrigerator with water while it is plugged in, This can cause an electric shock.

- To clean the refrigerator, follow these steps:

1. Unplug the power code of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.

Do not use any kind of detergent to clean the refrigerator because that can discolor or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.

4. Plug the power code of the refrigerator back in.

CHANGING THE INTERIOR LIGHTS

Freezer / Fridge LED Lamp

- If the LED Lamp Cover is stained with foreign substances, the LED lamp may not look bright. Wipe the surface cover with clean dry cloth to return the light to full brighteness.

CAUTION
- Do not disassemble or replace the LED type lighting yourself.
  To replace the LED lights, contact a Samsung service center or your authorized Samsung dealer.

If you attempt to replace the LED lamps yourself, you risk subjecting yourself to an electric shock or serious personal injury.

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Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	• Check if the power plug is properly connected. • Check if the set temperature on the digital display is warmer than the freezer or fridge inner temperature. If it is, set the freezer or fridge to a colder temperature. • Is the refrigerator in direct sunlight or located near a heat source? If so, it may not be able to cool sufficiently. Install it in a location that is out of direct sunlight and not near a heat source. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? If so, it may not be able to cool sufficiently. Keep it an appropriate distance from the wall. • Is there too much food inside so that the food is blocking the outlet vent? To keep the refrigerator at a suitable temperature, do not fill the refrigerator with too much food.
The food in the fridge is frozen.	• Check if the set temperature on the digital display is too low. If so, raise the set temperature inside the refrigerator. • Is the temperature in the room too low? Set the refrigerator warmer. • Did you store food with a high moisture content in the coldest part of the refrigerator or near the cooling outlet vent? Try moving those items to the other shelves in the fridge instead of keeping them in the colder areas or bins.
You hear unusual noise or sounds.	• Check if the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? • Was anything dropped behind or under the refrigerator? • If you hear a “ticking” sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior. • If it sounds as if something is hitting something else inside the refrigerator, this is normal. The sound is caused by the compressor operating at high capacity.
The cabinet-door sealing area of the appliance is hot and condensation is occurring.	• Some heat is normal as anti-condensators are installed in the vertical hinged section of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
The Ice Maker is not producing ice.	• It may take longer to make ice if it is not sufficiently cool, such as when first installed. • Is the water line connected and the shut-off valve opened? • Did you manually stop the ice making function? • Check if the filter is properly installed. If it is not properly installed, the ice making function may not work.

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PROBLEM	SOLUTION
You can hear water bubbling in the refrigerator.	• This is normal. The bubbling comes from refrigerant circulating through the refrigerator.
There is a bad smell in the refrigerator.	• Check for spoiled food. • Foods with strong odors (for example, fish) should be tightly covered. • Clean out your freezer periodically and throw away any spoiled or suspicious food.
Frost forms on the walls of the freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the stored food for efficient air circulation. • Is the freezer drawer closed properly?
The water dispenser is not functioning.	• Is the water line connected and the shut-off valve opened? • Has the water supply line tubing been crushed or kinked? • Make sure the tubing is free and clear of any obstruction. • Is the water tank frozen because the fridge temperature is too low? Try selecting a warmer setting on the Digital display. • Check if the filter is properly installed. If it is not properly installed, the water dispenser may not work.
The auto close system does not work with the freezer door.	• Is there an imbalance between the right and left parts of the door? • Open and close the door smoothly 1~2 times. After you do this, the auto close system usually works properly again. • Try opening the door smoothly to avoid unbalancing the right part and the left part of the door.
Condensation or water drops forms on vertical mullion and surroundings, etc.	• Condensation or water drops may form if the humidity is too high while the refrigerator is operating. • If condensation or water drops appears on vertical mullion and surroundings, etc., turn the Energy Saving mode off after removing the condensation.

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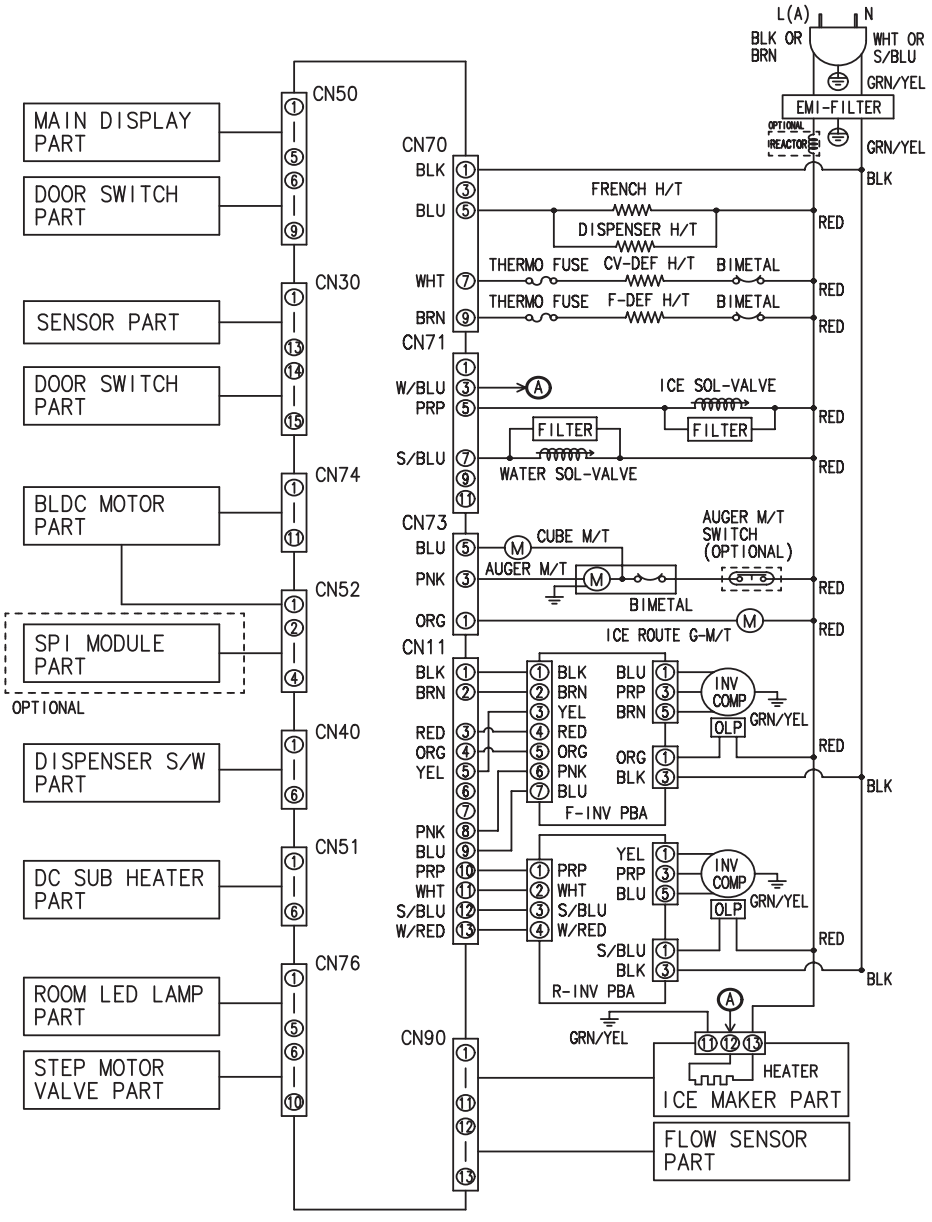
Circuit diagram



Memo

Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43

Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door.
Adjust the temperature as required to compensate for these factors.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

English

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRIA	0800-SAMSUNG (0800-7267864) [Only for Premium HA] 0800-366661 [Only for Dealers] 0810-112233	www.samsung.com/at/support
COLOMBIA	Bogotá en el 600 12 72 Sin costo en todo el pais 01 8000 112 112 Y desde tu celular #726	www.samsung.com/co
EIRE	0818 717100	www.samsung.com/ie/support
HONG KONG	3698 4698	www.samsung.com/hk/support (Chinese) www.samsung.com/hk_en/support (English)
INDIA	1800 3000 8282 - Toll Free 1800 266 8282 - Toll Free	www.samsung.com/in/support
MALAYSIA	1800-88-9999 603-77137477 (Overseas contact)	www.samsung.com/my/support
NEW ZEALAND	0800 726 786	www.samsung.com/nz/support
PANAMA	800-0101	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English)
PHILIPPINES	1-800-10-726-7864 [PLDT Toll Free] 1-800-8-726-7864 [Globe Landline and Mobile] 02- 422-2111 [Standard Landline]	www.samsung.com/ph/support
SINGAPORE	1800-SAMSUNG (726-7864)	www.samsung.com/sg/support
SOUTH AFRICA	0860 SAMSUNG (726 7864)	www.samsung.com/support
UK	0330 SAMSUNG (7267864)	www.samsung.com/uk/support

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